

CLAIMS

1. An electrode for an electrochemical device, comprising an organic compound that serves as an active material and a substrate carrying said organic compound, wherein said substrate and said organic compound are bonded by a covalent bond.

2. The electrode for an electrochemical device in accordance with claim 1, wherein said covalent bond is at least one selected from the group consisting of Si-O bond, Ti-O bond, C-C bond, C-O bond, and urethane bond.

3. The electrode for an electrochemical device in accordance with claim 1, wherein said organic compound has a thiol group in the molecule thereof.

4. The electrode for an electrochemical device in accordance with claim 1, wherein said organic compound has a free radical in the molecule thereof.

5. The electrode for an electrochemical device in accordance with claim 1, wherein said organic compound comprises a conductive polymer.

6. The electrode for an electrochemical device in accordance with claim 1, wherein said substrate is at least one selected from the group consisting of a metal, a carbonaceous material, a conductive polymer, glass, and a silicone resin.

7. An electrochemical device comprising a pair of electrodes and an electrolyte, wherein at least one of the

electrodes comprises an organic compound that serves as an active material and a substrate carrying said organic compound, and said substrate and said organic compound are bonded by a covalent bond.